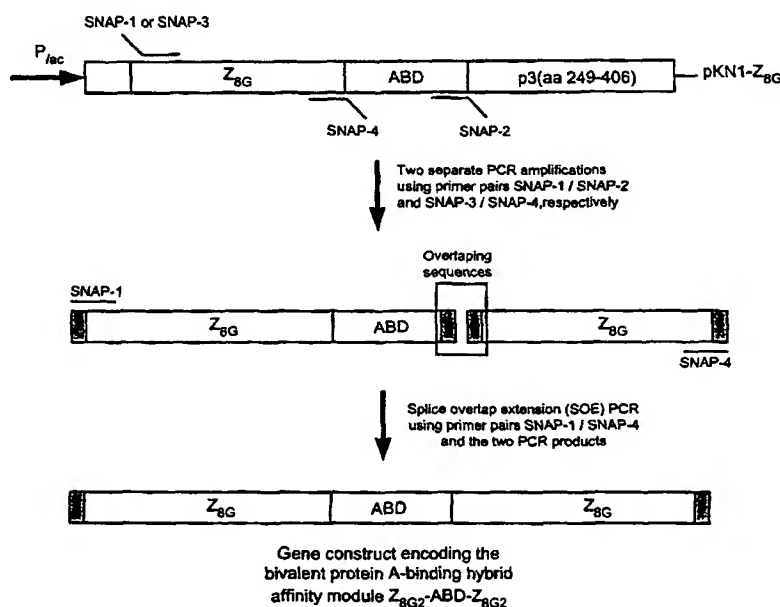




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification <sup>7</sup> :</b><br><b>C07K 1/22, 14/00, 1/04, C12N 15/10,</b><br><b>C07K 14/31, G01N 33/68, A61K 38/04</b>   | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 00/69888</b><br><b>(43) International Publication Date:</b> 23 November 2000 (23.11.00)  |
| <b>(21) International Application Number:</b> PCT/GB00/01843<br><b>(22) International Filing Date:</b> 15 May 2000 (15.05.00)<br><b>(30) Priority Data:</b><br>9911287.2      14 May 1999 (14.05.99)      GB<br><b>(71) Applicant (for all designated States except US):</b> AFFIBODY TECHNOLOGY SWEDEN AB [SE/SE]; Björnåsvägen 21, S-113 47 Stockholm (SE).<br><b>(71) Applicant (for GB only):</b> GARDNER, Rebecca [GB/GB]; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).<br><b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> NYGREN, Per-Åke [SE/SE]; Singelgränd 36, S-178 40 Ekerö (SE). UHLÉN, Mathias [SE/SE]; Måsvägen 8B, S-183 51 Täby (SE).<br><b>(74) Agents:</b> GARDNER, Rebecca et al.; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB). |           | <b>(81) Designated States:</b> AE, AG, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, DZ, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (Utility model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i><br><i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> |

**(54) Title:** SELF-ASSEMBLING BIOMOLECULAR STRUCTURES**(57) Abstract**

The present invention relates to a self-assembled biomolecular structure comprising affinity modules, said affinity modules each having at least two affinity domains which may be the same or different, at least one affinity domain within each affinity module having specific and exclusive affinity for an affinity domain within another affinity module, said affinity modules capable of biospecific interaction to form an assembled structure; affinity modules for use in said structures, methods of producing the structures and uses of the structures.